XP-002298971

(C) WPI/Derwent

AN - 1981-22985D [13]
A - [001] 011 03- 23- 371 393 426 431 444 47& 477 61-
CPY - ABME-R
DC - A32 P42 X25
FS - CPI;GMPI;EPI
IC - B05B5/08
IN - KOKHANOVSK O G; RATNIKOV Y U V; YUNITSKII A E
KS - 0223 0229 2405 2420 2426 2438 2439 2541 2718 2727 2728
MC - A11-B05A A11-B05E
- X25-K01
PA - (ABME-R) AS BELO METAL POLYM
PN - SU749438 B 19800728 DW198113 000pp
PR - SU19782631320 19780602
XIC - B05B-005/08
AB - SU-749438 Appts. for forming polymer coatings on relatively complex shapes, as well as on steel strip and wire ensures greater evenness of coating layer thickness on complex shapes, and better mechanical and protective properties. Lower pre-heat temps. for the object to be coated are required which reduces scrapped items due to polymer overheat. Emissions to surroundings of polymer material are virtually eliminated by virtue of closed circulation of fluidising agent powder.
- Electrodes (13) providing static charge on polymer particles are now in form strips which are driven in vertical oscillation at frequency 1-10Hz by solenoid 10 or other reciprocating drive. Deposition chamber (5) is now connected to lower chamber (6) by pipe (17) which has valve (18) which admits air to chamber (6) when solenoid (10) displaces diaphragm (7) upwards, but shuts when diaphragm (7) is displaced downwards. Diaphragm (7) is permeable to air but not to polymer powder and this combined with action of valve (18) and solenoid drive (10) provides pumping action to fluidise powder.
Bul.27/23.7.80.
IW - ELECTROSTATIC APPLY POLYMER COATING RADIAL STRIP ELECTRODE VERTICAL OSCILLATING BEAT FLUIDISE POWDER POWDER CLOUD
IKW - ELECTROSTATIC APPLY POLYMER COATING RADIAL STRIP ELECTRODE VERTICAL OSCILLATING BEAT FLUIDISE POWDER POWDER CLOUD
INW - KOKHANOVSK O G; RATNIKOV Y U V; YUNITSKII A E
NC - 001
OPD - 1978-06-02
ORD - 1980-07-28
PAW - (ABME-R) AS BELO METAL POLYM
TI - Electrostatic application of polymer coatings - using radial strip electrodes vertically oscillated and beating fluidised powder into powder cloud